CAS ONLINE PRINTOUT

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     (FILE 'HOME' ENTERED AT 13:34:53 ON 08 JUL 2008)

     FILE 'CAPLUS' ENTERED AT 13:35:15 ON 08 JUL 2008
               E 1980:495018/AN
L1             1 S E3

     FILE 'REGISTRY' ENTERED AT 13:35:41 ON 08 JUL 2008
               E 74533-42-9/RN
L2             1 S E3
               E 74533-47-4/RN
L3             1 S E3

     FILE 'CAPLUS' ENTERED AT 13:36:31 ON 08 JUL 2008
L4             2 S L2 OR L3
L5             1 S L4 AND L1

=> d bib abs hitstr

L5   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   1980:495018  CAPLUS
DN   93:95018
OREF 93:15221a,15224a
TI   Synthesis of amides and amines
IN   Masuko, Fujio; Katsura, Tadashi
PA   Sumitomo Chemical Co., Ltd., Japan
SO   Eur. Pat. Appl., 49 pp.
     CODEN: EPXXDW
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   EP 8532             A1     19800305    EP 1979-301696         19790820
     EP 8532             B1     19830720
          R:  BE, CH, DE, FR, GB, IT, NL, SE
     JP 55028959         A      19800229    JP 1978-102614         19780822
     JP 61055488         B      19861128
     JP 55033442         A      19800308    JP 1978-106541         19780830
     JP 62000905         B      19870110
     EP 40896            A2     19811202    EP 1981-200767         19790820
     EP 40896            A3     19820203
     EP 40896            B1     19840425
          R:  BE, DE, CH, FR, GB, IT, NL, SE
PRAI JP 1978-102614      A      19780822
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     EP 1979-301696      A      19790820
GI
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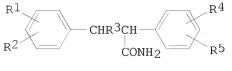

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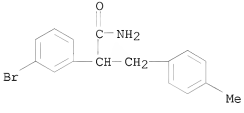
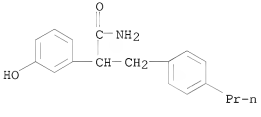
AB Amides I (R1, R2, R3, R4 = H, halo, OH, trihalomethyl, Ph, PhO, PhS, C1-6 alkyl, hydroxyalkyl, alkenyl, alkoxy, alkylthio, dialkylamino, alkylsulfonyl; R1R2 or R3R4 = ring; R3 = H or R1) were prepared by hydrolysis of the corresponding nitriles in presence of quaternary ammonium compds. and in aqueous alkaline H2O2. The amides I were converted to the corresponding amines by treatment with hypohalites. Thus, PhCH2CN with 4-MeC6H4CH4Cl gave PhCH(CN)CH2C6H4Me-4, which on hydrolysis in aqueous NaOH containing H2O2 and Bu4NOH gave PhCH(CONH2)CH2C6H4Me-4 (II). II in MeOH containing NaOH was treated with Br at 0° and a catalytic amount of Bu4NOH and the mixture refluxed to give PhCH2CH(NH2)CH2C6H4-Me.

IT 74533-42-9P 74533-47-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction with hypohalite)

RN 74533-42-9 CAPLUS
CN Benzenepropanamide, α-(3-bromophenyl)-4-methyl- (CA INDEX NAME)



RN 74533-47-4 CAPLUS
CN Benzenepropanamide, α-(3-hydroxyphenyl)-4-propyl- (CA INDEX NAME)



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